

Peak District National Park

Forecast valid from 06:00 on Thursday 24 Dec 2020 until 23:59 on Friday 25 Dec 2020

Forecast Issued on Thursday 24 Dec 2020 at 02:33

Confidence: High for a cold start and then a change, briefly, to milder, wetter and windier conditions but lower with regard to details, especially through Monday with low pressure centred over the UK.

Headline for Thursday 24 Dec 2020: Sunny spells and wintry showers. Very cold with strong northerly winds easing

Mountain weather hazards on Thursday 24 Dec 2020

Blizzards

No Likelihood

Gales

No Likelihood

Thunderstorms

No Likelihood

Heavy Snow

No Likelihood

Severe chill effect

Medium Likelihood

Heavy persistent rain

No Likelihood

Storm force winds

No Likelihood

Poor visibility

Medium Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
					
Clear night	Sunny intervals	Cloudy	Sunny intervals	Partly cloudy (night)	Clear night
Precipitation probability					
00%	20%	30%	20%	20%	00%

Forecast for Thursday 24 Dec 2020

Weather: A bright but frosty start to the day with some sunny spells, especially in the west, but occasional and mainly light wintry showers spreading south. The showers clear through the afternoon, followed by a dry the evening with long clear spells.

Chance of cloud free mountain/hill tops above 600m: Close to 100% at first with little or no cloud below the summits but falling to 60% in the east by late morning with periods of cloud above 600m and patches below, but nearer 80% in the west and becoming more generally through the late afternoon and evening with cloud more occasional above 600m.

Visibility: Very good or excellent, with distant hills clearly visible, falling to just a few kilometres in and around any showers.

Forecast for Thursday 24 Dec 2020

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	17/28 N	18/27 N	21/29 N	18/26 N	18/27 N	14/22 N	10/18 NW
300	9/16 NW	10/17 NW	14/20 N	12/20 NW	11/18 NW	10/15 W	9/14 NW
Valley	6/20 N	8/21 N	9/20 N	10/22 N	8/19 NW	6/16 NW	3/10 NW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	-1/-7	-2/-9	-1/-8	-1/-8	-2/-9	-3/-9	-3/-8
300	0/-4	0/-5	2/-4	2/-3	0/-5	-1/-6	-1/-6
Valley	0/-3	-0/-4	2/-2	2/-2	0/-4	-1/-4	-2/-4
Freezing Level*	100m	100m	400m	300m	200m	00m	00m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Gusts around 45mph over higher peaks through the early hours. Significant chill effect at all levels through the day.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Thu 24 Dec 2020	3.4mm	7.8mm	24.4mm

Forecast for Friday 25 Dec 2020

Weather: Clear, dry and frosty overnight. A bright start but cloud increasing from the northwest through the morning, with outbreaks of mainly light rain, with a little initial sleet and, over higher peaks, snow from late morning

Maximum wind: Northerly or north-westerly 10-15mph backing westerly 15-20mph by midday, with gusts around 35mph over higher peaks by evening.

Chance of cloud free mountain/hill tops above 600m: Close to 100% at first with little cloud below summits becoming close to zero through the morning with periods or persistent cloud above 600m developing.

Visibility: Very good or excellent, with distant hills clearly visible, falling to mediocre in and around any showers, with neighbouring hills occasionally difficult to see in higher peak snow.

Temperature: **Valleys:** Minus 3 or 4 Celsius overnight rising to plus 8 or 9 Celsius by day
At 600m: Around minus 4 Celsius rising to plus 3 Celsius through the afternoon and evening
Freezing level: All levels at first gradually rising above the summits.